

# Clinical Radiology



A Journal of the  
Royal College of Radiologists

38 Portland Place, London W1N 3DG  
(Telephone 071 636 4432)

## Officers and Council

### President

J. O. M. C. Craig

### Vice-Presidents

T. D. Bates  
D. J. Stoker

### Warden of the Fellowship

J. E. Williams

### Treasurer

R. G. B. Evans

## Editorial Board

### Editor

C. D. R. Flower

### Deputy Editors

I. W. McCall  
G. M. Roberts

### Assistant Editors

A. N. Adam  
P. Armstrong

### Registrar

E. J. Roebuck

### Members of Council

D. J. Allison  
S. J. Arnott  
N. M. Bleehen  
M. J. Brindle  
J. A. Bullimore  
I. Isherwood  
M. I. Lavelle  
C. H. Paine

P. J. Robinson

R. D. H. Ryall

M. F. Spittle

M. G. Steiner

### In attendance

President, BIR  
Chairman, Standing Scottish  
Committee  
Chairman, Junior Radiologists  
Forum

C. I. Bartram  
J. J. K. Best  
E. H. Burrows  
R. F. Bury  
P. A. Dubbins  
S. Field  
P. M. Hacking  
J. P. R. Jenkins  
A. E. A. Joseph  
W. R. Lees  
I. Moseley

S. C. Rankin

R. Reznek

G. M. Steiner

I. Watt

J. A. W. Webb

I. P. Wells

D. J. Wilson

The President

Warden

Treasurer

Registrar (*ex officio*)

Volume 41 Pages 1-450 1990

**Blackwell Scientific Publications**

Oxford London Edinburgh Boston Melbourne Berlin Paris Vienna

© 1990 The Royal College of Radiologists, 38 Portland Place, London  
W1N 3DG, UK.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior permission of the copyright holder. Authorisation to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by the Royal College of Radiologists for libraries and other users registered with the Copyright Clearance Centre (CCC) Transactional Reporting Service, provided that the base fee of \$05.00 per copy is paid directly to CCC, 27 Congress Street, Salem, MA 01970, USA. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, or creating new collective works or for resale. Special requests should be addressed to the Editor.

0009-9260/90/\$05.00

*Editorial*

- Starting from Scratch - Some Problems with Forrest . . . . . P. B. Guyer 1

*Opinion*

- The Basic Radiology System: A Challenging Role in a Changing World . . . . . G. de Lacey 3

*Original Papers*

- Barium Studies and Ileoscopy Compared in Children with Suspected Crohn's Disease  
A. Lipson, C. I. Bartram, C. B. Williams, G. Slavin and J. Walker-Smith 5
- Sonographic Diagnosis of Portal Vein Invasion in Patients with Hepatocellular Carcinoma: Comparison with Arterial Portography  
J. Price, M. Chan, C. Hamilton-Wood, N. A. F. Chronos, S. D. Mok and C. Metreweli 9
- Splenic and Portal Venous Thrombosis: A Vascular Complication of Pancreatic Disease Demonstrated on Computed Tomography  
A. M. Belli, C. M. Jennings and R. A. Nakielyn 13
- Thickened Stomach - An Ultrasound Sign of Portal Hypertension S. H. Saverymuttu, C. M. Corbishley, J. D. Maxwell and A. E. A. Joseph 17
- Sclerosing Encapsulating Peritonitis in Chronic Ambulatory Peritoneal Dialysis . . . . . P. Holland 19
- CT of Swollen Legs . . . . . B. F. Vaughan 24
- The Role of Computed Tomography in the Investigation of Recurrent Axillary Disease in Patients with Carcinoma of the Breast  
J. F. C. Olliff and G. R. Cherryman 31
- Extremity Doses During Interventional Radiology . . . . . M. L. Ramsdale, W. J. Walker and P. W. Horton 34
- Intravenous Urography with a New Non-ionic Contrast Media in a Clinical Phase III Study: Iopentol vs Iohexol  
F. Rasmussen, U. Dyreborg, C. Larsen, A. Waaler and D. Tove Kristoffersen 37
- Injection Rate: A Factor in Contrast Reactions? . . . . . M. J. Duddy, R. A. Manns and S. A. Wormald 42
- Indirect Radionuclide Cystography Demonstrates Reflux under Physiological Conditions . . . . . A. M. Peters, S. Morony and I. Gordon 44
- Infantile Lobar Emphysema in Association with Congenital Heart Disease . . . . . I. Gordon and J. E. Dempsey 48
- Magnetic Resonance Differentiation of Acute and Chronic Osteomyelitis in Children  
M. D. Cohen, D. A. Cory, M. Kleiman, J. A. Smith and N. J. Broderick 53
- Ultrasound Appearances of De Quervain's Thyroiditis . . . . . I. W. J. Birchall, C. C. Chow and C. Metreweli 57

*Case Reports*

- Gas in an Infected Vascular Prosthesis. An Unusual Finding on Plain Radiographs . . . . . C. Campbell and D. A. R. Robertson 60
- Percutaneous Angioplasty of the Superior Gluteal Artery in the Treatment of Buttock Claudication . . . . . A. M. Cook and J. F. Dyer 63
- Tortuous Vertebral Artery - Onset of Symptoms During Pregnancy . . . . . J. R. Glover, C. Kennedy and A. Coral 66

*Correspondence*

- Ovarian Conservation at Hysterectomy . . . . . M. Crofton; D. H. Reed, A. K. Dixon and M. V. Williams 69
- Out-patient Lumbar Radiculography . . . . . A. E. Hugh: A. M. Davies 69
- Inhalation of Carbex . . . . . J. O. M. Mills 69
- What is a Radiologist? . . . . . A. E. Hugh 70
- Breast Scoring System . . . . . G. Rubin 70

*Book Reviews*

- Doppler Echocardiography - An Illustrated Clinical Guide. By P. Wilde . . . . . 71
- Angioscopy: Vascular and Coronary Applications. Edited by G. A. White and R. A. White . . . . . 71
- International Cardiology. Edited by A. S. Kapoor . . . . . 71
- Modern Imaging of the Liver - Applications of Computerized Tomography, Ultrasound, Nuclear Medicine and Magnetic Resonance Imaging.  
Edited by M. A. Wilson and F. F. Ruzicka . . . . . 71
- Handbook of Cardiovascular and Interventional Radiologic Procedures. Edited by K. Kandarpa . . . . . 72
- New Concepts in Cardiac Imaging - 1989. Edited by G. M. Pohost et al. . . . . 72
- Radiopharmacy and Radiopharmacology Year Book 3. Edited by P. H. Cox. . . . . 72

- Notices* . . . . . 73

- Referees 1989* . . . . . 74

*Editorials*

- Lasers in Radiology . . . . . A.-M. Belli and D. C. Cumberland 75
- Venous Thrombosis and Thromboembolism . . . . . G. H. Whitehouse 77

*Review*

- Imaging the Testis and Scrotal Structures . . . . . R. Fowler 81

## CONTENTS

### *Original Papers*

Computed Tomography of Folded Lung . . . . .	P. M. Carvalho and D. H. Carr	86
Primary Pulmonary Artery Sarcoma—A Report of Two Cases, with Special Emphasis on the Diagnostic Problems . . . . .	P. D. Britton	92
Children with Urinary Tract Infection; a Critical Diagnostic Pathway . . . . .	M. J. Brindle	95
Ultrasound of the Palpable Abdominal Mass . . . . .	C. S. Barker and D. R. M. Lindsell	98
Computed Tomographic Peritoneography in the Investigation of Abdominal Wall and Genital Swelling in Patients on Continuous Ambulatory Peritoneal Dialysis . . . . .	A. J. Maxwell, C. R. M. Boggis and P. Sambrook	100
Ultrasound Guided Fine Needle Aspiration of Ovarian Cysts: Diagnosis and Treatment in Pregnant and Non-pregnant Women . . . . .	K. T. Khaw and W. J. Walker	105
The Role of Ultrasound in the Detection of Non-Radiopaque Foreign Bodies . . . . .	F. J. Gilbert, R. S. D. Campbell and A. P. Bayliss	109
Ultrasound in the Diagnosis of Granulomatous Liver Disease . . . . .	P. Mills, S. Saverymuttu, M. Fallowfield, S. Nussey and A. E. A. Joseph	113
Computed Tomography in Adult Obliterative Bronchiolitis . . . . .	M. C. Sweatman, A. B. Millar, B. Strickland and M. Turner-Warwick	116
Role of Magnetic Resonance Imaging (MR) in the Diagnosis and Management of Intracranial Tuberculomas . . . . .	R. K. Gupta, A. Jena, A. K. Singh, A. Sharma, V. Puri and M. Gupta	120

### *Technical Reports*

Technical Development: A Modified Pigtail Catheter for Transbrachial Aortography . . . . .	Y. D. Patel	128
Technical Problem: Impacted Retained Distal Common Duct Stone . . . . .	D. E. Malone and H. J. Burhenne	130

### *Case Reports*

Gastrointestinal Bleeding due to Multiple Ileal Duplications Diagnosed by Scintigraphy and Barium Studies . . . . .	A. M. Gilchrist, J. M. Sloan, C. J. H. Logan and J. O. M. Mills	134
Renal Excretion of Enteral Gastrografin in the Absence of Free Intestinal Perforation . . . . .	M. Hay and P. J. Cant	137
Delayed Cardiac Tamponade Following Accidental Injection of Non-Ionic Contrast Medium into the Pericardium . . . . .	M. J. Gallant and J. G. N. Studley	139
Gastrobronchial Fistula . . . . .	W. K. Chong and O. C. Constant	141

### *Correspondence*

Clinical Diagnosis from Digital Displays . . . . .	S. K. Morcos: A. Adam and P. Dawson: R. Dawood	143
Mortality Patterns of Breast Cancer Patients . . . . .	S. H. Levitt: L. E. Rutqvist: J. M. Jones and G. G. Ribeiro	144

### *Book Reviews*

Clinical Renal Imaging. By W. R. Cattell, J. A. W. Webb and A. J. W. Histon . . . . .	146
CT and Sonography of the Acute Abdomen. By R. Brooke Jeffrey Jr . . . . .	146
Magnetic Resonance Imaging of the Spine. By M. T. Modic, T. J. Masaryk and J. S. Ross . . . . .	146
Invasive Investigation of the Heart. Edited by G. Miller . . . . .	146
Ultrasound of the Prostate. By B. D. Fornage . . . . .	147
Manual of Diagnostic Radiology. By J. A. Peirro, B. M. Berens and W. L. Crawford . . . . .	147
Avulsion and Stress Injuries of the Musculoskeletal System. Edited by J. Tehranyzadeh, A. N. Serafini and M. J. Pais . . . . .	147
Ultrasongraphy of Muscles and Tendons. By B. D. Fornage . . . . .	147

Notices . . . . .	148
-------------------	-----

**Volume 41 Number 3 March 1990**

### *Editorial*

Improving Accident and Emergency Radiology . . . . .	J. A. Fielding	149
--	----------------	-----

### *Original Papers*

The Application of Clinical Guidelines for Skull Radiography in the Accident and Emergency Department: Theory and Practice . . . . .	J. A. Clarke and J. E. Adams	152
Imaging Cholesteatoma . . . . .	P. D. Phelps and A. Wright	156
Radiography of the Paranasal Sinuses—One or Three Views? . . . . .	M. W. J. Hayward, K. Lyons, W. P. Ennis and J. Rees	163
Radiological Changes in the Gastrointestinal and Genitourinary Tract Following Radiotherapy for Carcinoma of the Cervix . . . . .	B. J. Taal, R. Steinmetz and F. C. A. Den Hartog Jager	165
Rectosigmoid Obstruction Caused by Ovarian Cancer . . . . .	P. M. Taylor, R. J. Johnson, B. Eddleston and R. D. Hunter	170
Transrectal Ultrasound in the Investigation of Haematospermia . . . . .	R. J. Etherington, R. Clements, G. J. Griffiths and W. B. Peeling	175
The Role of Magnetic Resonance Imaging in the Investigation of Undescended Testes . . . . .	A. H. Troughton, J. Waring, A. Longstaff and P. R. Goddard	178
Is Screening for Abdominal Aortic Aneurysm Worthwhile? . . . . .	J. G. B. Russell	182
The Incidence of Popliteal Aneurysms in Patients with Arteriomegaly . . . . .	O. Chan and M. Lea Thomas	185
Biliary Complications Following Orthotopic Liver Transplantation . . . . .	R. A. Evans, N. D. Raby, J. G. O'Grady, J. B. Karani, H. B. Nunnerley, R. Y. Calne and R. Williams	190
Clonorchiasis of the Pancreas . . . . .	Jae Hoon Lim and Young Tae Ko	195
Powered Cutting Needle Biopsy of the Pleura and Chest Wall . . . . .	F. Gleeson, D. J. Lomas, C. D. R. Flower and S. Stewart	199
CT Features of Histiocytic Medullary Reticulososis . . . . .	K. Soo Lee, W. Sun Kim, S. Oh Yang and E. Sil Yu	201
The Psoas Sign in Normal Subjects Without Bowel Preparation: The Influence of Scoliosis on Visualisation . . . . .	R. A. Bloom, D. Gheorghiu, A. Verstandig, H. Pogrund and E. Libson	204
Portal Venous Collateral Drainage in IVC Obstruction . . . . .	S. J. Hayward	206

## CONTENTS

### *Case Reports*

CT Scanning as an Adjunct to Screening for Medullary Carcinoma of the Thyroid . . . . .	C. W. Heron, B. A. J. Ponder and I. D. Hunter-Craig	209
Congenital Mesoblastic Nephroma Occurring in a Solitary Kidney . . . . .	D. A. Nicholson and S. C. Gupta	211
Magnetic Resonance Imaging with Gadolinium-DTPA Enhancement in the Differentiation of Benign from Neoplastic Cord Cavitation . . . . .	C. E. Clarke, J. Hawnaur, E. Prulovich, G. M. Yuill and C. M. Bannister	214

### *Correspondence*

Myocardial Bridging of the Coronary Arteries . . . . .	J. Partridge	217
Low Back Pain . . . . .	R. Sellar; W. P. Butt	217
Portal Hypertension and Spleno-renal Shunting without Splenomegaly . . . . .	M. J. Charig and J. E. S. Husband	217
Are Three Views Necessary to Examine Acute Ankle Injuries? . . . . .	J. G. Moss; M. G. Wallis	218
Benign Breast Change . . . . .	E. Samuel; P. B. Guyer	218

### *Book Reviews*

Pocket Atlas of Head and Neck MRI Anatomy. Edited by R. B. Lufkin and W. N. Hanafee . . . . .		219
Ultrasound Mammography—Methods, Results, Diagnostic Strategies. Edited by B. J. Hackelder, V. Duda and G. Lauth . . . . .		219
Co-planar Stereotaxic Atlas of the Human Brain—3-Dimensional Proportional System: An Approach to Cerebral Imaging. By J. Talairach and P. Tournoux . . . . .		219
Imaging of Sports Injuries. By A. Williams, R. Evans and P. D. Shirley . . . . .		219
Year Book of Diagnostic Radiology 1989. Edited by D. G. Bragg et al. . . . .		219
Tissue Substitutes in Radiation Dosimetry and Measurement. ICRU Report 44 . . . . .		220

Notices . . . . .		221
-------------------	--	-----

**Volume 41 Number 4 April 1990**

### *Editorials*

Abdominal Doppler—Current Status and Future Potential . . . . .	H. B. Meire	223
Percutaneous Biliary Drainage for Malignancy—An Expanding Field . . . . .	A. Adam	225
Radiography of Suspected Drug Smugglers . . . . .	J. O. M. C. Craig	228
Digital Chest Radiography: Current Status . . . . .	David M. Hansell	229

### *Original Papers*

CT Appearances of Relapse of Lymphoma in the Lung . . . . .	M. Cobby, E. Whipp, J. Bullimore, S. Goodman, E. R. Davies and P. Goddard	232
Pre-operative Localisation in Primary Hyperparathyroidism . . . . .	M. N. H. Lloyd, W. R. Lees and E. J. G. Milroy	239
Skeletal Complications of Type 1 Gaucher Disease: The Magnetic Resonance Features . . . . .	B. J. Cremin, H. Davey and J. Goldblatt	244
Acquired Cystic Disease of the Kidney: Ultrasound as the Primary Screening Procedure . . . . .	R. A. Manns, F. G. O. Burrows, D. Adu and J. Michael	248
Effects of Buscopan on Gastro-oesophageal Reflux and Hiatus Hernia . . . . .	R. Ranjit Rajah	250
Through the Colonoscope—A Radiologist's View . . . . .	J. Rawlinson, J. J. Tate, D. F. C. Shepherd, G. T. Royle and F. J. Brunton	253
Accuracy in Staging Carcinoma of the Bladder by Magnetic Resonance Imaging . . . . .	R. J. Johnson, B. M. Carrington, J. P. R. Jenkins, R. J. Barnard, G. Read and I. Isherwood	258
Accident and Emergency Reporting in UK Teaching Departments . . . . .	I. Beggs and J. K. Davidson	264
A Double Blind Clinical Study Comparing the Safety, Tolerance and Efficacy of Ioversol 240 and Iohexol 240 (Omnipaque 240) In Ascending Venography . . . . .	R. A. Wilkins and B. C. Spinks	268
Thin Section Computed Tomography in the Evaluation of Naso-Ethmoidal Trauma . . . . .	B. D. Daly, J. L. Russell, M. J. Davidson and J. T. Lamb	272
Subjective Experiences of Magnetic Resonance Imaging . . . . .	D. Thorp, R. G. Owens, G. Whitehouse and M. E. Dewey	276

### *Personal View*

Counselling by Radiologists . . . . .	A. E. Hugh	279
---------------------------------------	------------	-----

### *Technical Reports*

Splenic Artery Aneurysm Embolisation—The Preferred Technique to Surgery . . . . .	J. F. Reidy, P. H. Rowe and F. G. Ellis	281
Aneurysm Formation After Dynamic Catheter Assisted Balloon Angioplasty . . . . .	A. A. Gehani, S. Ashley, R. C. Kester, S. G. Brooks, G. A. Davies and M. R. Rees	283

### *Case Reports*

Ultrasonic and Comparative Angiographic Appearances of a Spontaneous Aorto-Caval Fistula . . . . .	A. M. Cook, J. F. Dye and S. L. Mann	286
The Sonographic Appearance of Cyclophosphamide-induced Acute Haemorrhagic Cystitis . . . . .	A. Kumar and S. Aggarwal	289

### *Correspondence*

A Pitfall in the Diagnosis of Lobar Collapse . . . . .	S. G. Davies and M. J. Turner; J. B. Hourihane and A. P. Owens	291
Cytology of Impalpable Breast Lesions . . . . .	S. Field; A. E. Kirkpatrick	291
Obert Balloons . . . . .	G. G. Hartnell; M. A. Sampson and R. A. Wilkins	292
Can Computed Tomography be Relied Upon to Detect Skull Fractures? . . . . .	C. Davis; I. F. Moseley, B. E. Kendall and D. P. E. Kingsley	292

## CONTENTS

### *Book Reviews*

Clinical Applications of Two Dimensional Echocardiography and Cardiac Doppler (Second Edition). By <i>A. D. Hagan and A. N. Demaria</i> . . . . .	293
Atlas of Slices of the Temporal Bone and Adjacent Region – Anatomy and Computed Tomography. By <i>H. Sick and F. Veillon</i> . . . . .	293
Magnetic Resonance Imaging of the Thorax. By <i>M. Sperber and M. C. Kaiser</i> . . . . .	293
NCRP Report 101 – Exposure of the US Population from Occupational Radiation. By <i>NCRP</i> . . . . .	293
Nuclear Medicine Annual 1989. Edited by <i>L. M. Freeman and H. S. Weismann</i> . . . . .	293
Fundamentals of Skeletal Radiology. By <i>C. A. Helms</i> . . . . .	294
Clinical Radiology of the Small Intestine. Edited by <i>H. Herlinger and D. Maglinte</i> . . . . .	294

<i>Notices</i> . . . . .	295
--------------------------	-----

## Volume 41 Number 5 May 1990

### *Editorials*

Pulmonary Arteriovenous Malformations: The Radiologist Replaces the Surgeon . . . . .	<i>J. M. B. Hughes and D. J. Allison</i> 297
Thrombolysis – A Challenge for Radiologists and Surgeons . . . . .	<i>W. J. Walker and A. E. B. Giddings</i> 299

### *Original Papers*

Glomus Tumours of the Ear: An Imaging Regime . . . . .	<i>P. D. Phelps</i> 301
CT Scanning in Patients following Surgery on the Tongue and Floor of Mouth . . . . .	<i>J. Cooke, G. Morrison, J. Keyserlingk and C. Parsons</i> 306
Radiological Assessment of Post Laryngectomy Speech . . . . .	<i>J. McIvor, P. F. Evans, A. Perry and A. D. Cheesman</i> 312
CT of the Spine: Are Plain Radiographs Necessary? . . . . .	<i>B. M. Tress and W. S. C. Hare</i> 317
World Health Organization – Basic Radiographic System (WHO-BRS) Unit Experimental Clinical Evaluation <i>M. Viamonte, L. O. Martinez, G. Hanson, T. F. McLeod, P. Balanag, M. Matczynski, W. Ireland, R. Telleria and P. Penny</i>	321
The Nodular Duodenum in Chronic Renal Failure . . . . .	<i>V. N. Cassar-Pullicino, A. M. Davies, S. Hubscher and F. Burrows</i> 326
Determining the Minimum Interval Between Cleansing Water Enema and Double-Contrast Barium Enema Examination <i>S. H. Lee and C. I. Bartram</i>	331
Demonstration of Para-ileostomy Herniation Using Computed Tomography <i>R. J. Etherington, J. G. Williams, M. W. J. Hayward and L. E. Hughes</i>	333
A Hypoechoic Area Within the Head of the Pancreas – A Normal Variant . . . . .	<i>J. J. Donald, P. J. Shorvon and W. R. Lees</i> 337
The Incidence and Sites of Medial Thigh Communicating Veins: A Phlebographic Study . . . . .	<i>K. T. Tung, O. Chan and M. Lea Thomas</i> 339
The Natural Course of Radionuclide Bone Scanning in the Evaluation of Total Knee Replacement – A 2 Year Prospective Study <i>B. R. Duus, M. Boeckstyns and C. Stadaeger</i>	341
The Accuracy of Mammographic Diagnosis in Surgically Occult Breast Lesions . . . . .	<i>E. Moskovic, H. D. Sinnett and C. A. Parsons</i> 344
Abnormal Regional Distribution of Ventilation in Middle-aged Smokers: Comparison of Changes in $^{81}\text{Kr}^m$ Ventilation Scans and Computed Tomography of the Lung . . . . .	<i>I. P. Hicks, S. J. Barter, D. H. Carr, H. Joyce, N. B. Pride and J. P. Lavender</i> 347

### *Case Reports*

Cerebral Arteritis with Unusual Distribution . . . . .	<i>A. M. A. Husein and N. Haq</i> 353
Cerebral Venous Thrombosis in Association with Hormonal Supplement Therapy . . . . .	<i>A. M. Knox, B. P. Brophy and M. R. Sage</i> 355
Iliac Artery Rupture During Percutaneous Angioplasty . . . . .	<i>W. K. Chong, F. W. Cross and M. J. Raphael</i> 358
Xanthogranulomatous Pyelonephritis in Childhood . . . . .	<i>P. M. Hughes, S. C. Gupta and N. B. Thomas</i> 360

### *Obituary*

Dr Robin Freeland . . . . .	363
-----------------------------	-----

### *Correspondence*

Bone Marrow MRI in Sickle Cell Disease . . . . .	<i>W. R. Saywell: R. P. Golding and T. E. G. Van Zanten</i> 364
Orthopantomograph® . . . . .	<i>P. N. Hirschmann</i> 364
Comparison between Iopamidol-340 and Iopamidol-370 . . . . .	<i>P. Murphy and P. Wilde</i> 365
Experience with the Merck Small Bowel Enema Tube . . . . .	<i>L. Cram: S. Desai and A. J. Chippindale</i> 365
Unusual Appearance of Renal Lymphoma . . . . .	<i>R. A. Davies</i> 365
MSc in Radiological Sciences . . . . .	<i>D. B. Downey</i> 366

### *Book Reviews*

Diagnostic Imaging of the Acute Abdomen – A Clinico-Radiologic Approach. Edited by <i>D. Beyer and U. Modder</i> . . . . .	367
Diagnosis and Therapy of Fetal Anomalies (Clinics in Diagnostic Ultrasound 25). Edited by <i>J. C. Robbins and B. R. Benacerraf</i> . . . . .	367
Procedures in Diagnostic Radiology. By <i>T. Doyle et al.</i> . . . . .	367
Renal Cystic Disease (AFIP Atlas of Radiologic-Pathologic Correlation (Fascicle 1)). By <i>D. S. Hartman</i> . . . . .	367
Diagnosis of Bone and Joint Disorders. Volumes 1–6. Edited by <i>D. Resnick and G. Niwayama</i> . . . . .	368

<i>Notices</i> . . . . .	369
--------------------------	-----

## Volume 41 Number 6 June 1990

### *Editorial*

Arthrography: Time for Reappraisal or the End of the Road? . . . . .	<i>D. J. Stoker</i> 371
--	-------------------------

## CONTENTS

### *Opinion*

Intravascular Contrast Agents and Renal Failure . . . . .	<i>P. Dawson and M. Trewella</i> 373
---	--------------------------------------

### *Review*

Imaging the Painful Shoulder . . . . .	<i>C. W. Heron</i> 376
--	------------------------

### *Original Papers*

The Complication Rate of Percutaneous Peripheral Balloon Angioplasty <i>A.-M. Belli, D. C. Cumberland, A. M. Knox, A. E. Procter and C. L. Welsh</i>	380
Mammography Screening – Reasons for Recall and the Influence of Experience on Recall in the Finnish System <i>M. Pamilo, I. Anttilinen, M. Soiva, M. Rioha and I. Suramo</i>	384
Mammography in the Pre-operative Assessment and Post-operative Surveillance of Patients Treated by Excision and Radiotherapy for Primary Breast Cancer . . . . . <i>A. P. Locker, P. Hanley, A. R. Wilson, E. J. Roebuck, D. A. L. Morgan, I. O. Ellis, C. W. Elston and R. W. Blamey</i>	388
Does Lymphangiography Have Any Role in the Management of Early Non-seminomatous Germ Cell Tumours? <i>M. Harding, B. Dall, R. Corbett, R. Vallance and S. B. Kaye</i>	392
Mimics of Metastases from Testicular Tumours . . . . . Baker's Cyst Simulating Deep Vein Thrombosis . . . . . A Double-blind Comparison of Iopromide and Iopamidol in Intravenous Urography . . . . . Septic Osteoradionecrosis of the Mandible Associated with Pathological Fracture: Report of Two Cases <i>D. T. Millett, I. L. C. Chapple, P. N. Hirschmann and A. M. Corrigan</i>	395 400 405 408
Technetium-99m Bone Scintigraphy and Mandibular Condylar Hyperplasia <i>M. J. Henderson, M. L. Wastie, M. Bromige, P. Selwyn and A. Smith</i>	411
Occult Diastematomyelia in Adults – Report of Two Cases . . . . . Intraspinal Metastases from Carcinoma of the Ovary . . . . . Course Mucosal Folds in the Duodenum: A Twenty-Year Follow-up . . . . . <i>R. W. Whitney, R. Brenner and R. Gulati</i> <i>B. M. Carrington, N. B. Thomas and R. J. Johnson</i> <i>R. Clements, K. T. Evans and J. Rhodes</i>	415 418 421

### *Case Reports*

An Unusual Angiogram in a Patient with Gastrointestinal Bleeding . . . . . Mycotic Pseudoaneurysm of the Descending Thoracic Aorta Associated with Vertebral Osteomyelitis . . . . . Gadopentetate Dimeglumine Enhanced MRI in an Anephric Patient on Dialysis . . . . . Acute Extradural Compression due to an Intraspinal Synovial Cyst: CT and Myelogram Appearances . . . . . Malignant Fibrous Histiocytoma Complicating Chronic Osteomyelitis . . . . . Complete Laryngotracheoesophageal Cleft: CT Diagnosis and Associated Abnormalities . . . . . <i>J. M. Sackier, P. Dawson, D. Allison and J. Spencer</i> <i>D. H. Reed</i> <i>P. L. Choyke, J. A. Frank, D. Webb and M. R. Filling-Katz</i> <i>M. A. Sampson and S. J. Warren</i> <i>C. Kennedy and D. J. Stoker</i> <i>A. G. Wilkinson, S. Mackenzie and G. M. A. Hendry</i>	425 427 430 433 435 437
---	--

### *Correspondence*

Evaluation of Diagnostic Tests . . . . . Starting from Scratch – Some Problems with Forrest . . . . . <i>J. Reidy</i> <i>W. Simpson, G. Rubin, J. B. Witcombe, P. B. Guyer</i>	439 439
---	------------

### *Book Reviews*

Cardio-thoracic Imaging. Self-Assessment in Radiology and Imaging 7. By <i>M. B. Rubens</i> Manual of Diagnostic Imaging ISE (Spiral Manual Series). 2nd Edition. Edited by <i>W. H. Straub</i> MRI Physics for Physicians. By <i>A. L. Horowitz</i> . CT Review. Edited by <i>J. E. S. Husband</i> . Outpatient Invasive Radiologic Procedures – Diagnostic and Therapeutic. Edited by <i>A. B. Dublin</i> . Diagnostic Ultrasound—Principles, Instruments and Exercises. By <i>F. W. Kremkau</i> . Radiographic Positioning. By <i>R. L. Eisenberg, C. A. Dennis and C. R. May</i> . Handbooks in Radiology. Skeletal Radiology. By <i>B. J. Manaster</i> .	441 441 441 441 442 442 442 442
--	--

Notices . . . . .	443
-------------------	-----

Index to Volume 41 . . . . .	445
------------------------------	-----



